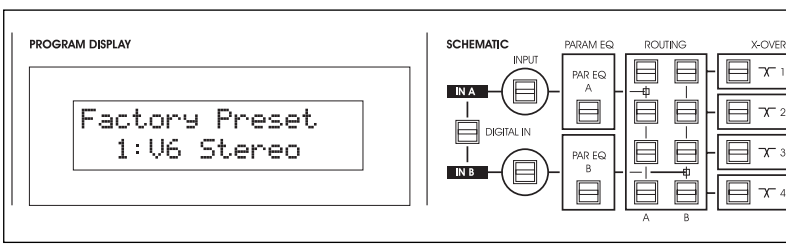
TANNOY®

TDX-1

DIGITAL SYSTEM CONTROLLER



Users manual

IMPORTANT SAFETY INSTRUCTIONS

The lightning flash with an arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

---

1 Read these instructions.
2 Keep these instructions.
3 Heed all warnings.
4 Follow all instructions.
5 Do not use this apparatus near water.
6 Clean only with dry cloth.
7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11 Only use attachments/accessories specified by the manufacturer.
12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13 Unplug this apparatus during lightning storms or when unused for long periods of time.
14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning!

- To reduce the risk of fire or electrical shock, do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.
- This apparatus must be earthed.
- Use a three wire grounding type line cord like the one supplied with the product.
- Be advised that different operating voltages require the use of different types of line cord and attachment plugs.
- Check the voltage in your area and use the correct type. See table below:

Voltage	Line plug according to standard
110-125V	UL817 and CSA C22.2 no 42.
220-230V	CEE 7 page VII, SR section 107-2-D1/IEC 83 page C4.
240V	BS 1363 of 1984. Specification for 13A fused plugs and switched and unswitched socket outlets.

- This equipment should be installed near the socket outlet and disconnection of the device should be easily accessible.
- To completely disconnect from AC mains, disconnect the power supply cord from the AC receptable.
- The mains plug of the power supply shall remain readily operable.
- Do not install in a confined space.
- Do not open the unit - risk of electric shock inside.

Caution:

You are cautioned that any change or modifications not expressly approved in this manual could void your authority to operate this equipment.

Service

- There are no user-serviceable parts inside.
- All service must be performed by qualified personnel.

IMPORTANT SAFETY INSTRUCTIONS

EMC / EMI.
This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For the customers in Canada:
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Certificate Of Conformity
Tannoy Ltd., Rosehall Industrial Estate, Coatbridge, Strathclyde, ML5 4TF, Scotland, hereby declares on own responsibility that following products:

Loudspeaker Management Controller

- that is covered by this certificate and marked with CE-label conforms with following standards:

EN 60065 (IEC 60065)	Safety requirements for mains operated electronic and related apparatus for household and similar general use
EN 55103-1	Product family standard for audio,video, audio-visual and entertainment lighting control apparatus for professional use. Part 1: Emission.
EN 55103-2	Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use. Part 2: Immunity.

With reference to regulations in following directives:
73/23/EEC, 89/336/EEC

September 2004
Graham Hendry
Engineering Director
- Tannoy Professional Products

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INTRODUCTION

Thank you for purchasing the Tannoy TDX-1 digital system controller for your application.
The TDX-1 is a powerful Digital System Controller designed for superior audio quality and flexible system configuration intended to optimize the performance of Tannoy loudspeaker systems.

This manual explains how to configure the TDX-1 to be tailored to your specific application. As well as technical specifications it also contains helpful advice on how to obtain the best possible performance from the unit.

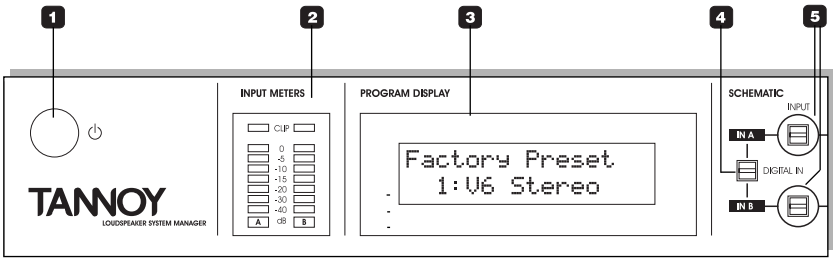
The TDX-1 is a compact and powerful DSP based audio-processing unit, ideally suited to fixed installations and live applications, where it combines the functions of multiple conventional products in a compact 1U of rack space. For ease of use the TDX-1 is supplied pre loaded with the most common configurations of our product ranges that require or benefit from the use of a system controller. In addition there is a further 100 'user presets' available for other loudspeaker combinations which may be required for specific applications.

The TDX-1 digital system controller has two balanced XLR analog inputs, a digital Input at 44.1 or 48kHz, and four balanced XLR analogue outputs.

The TDX-1 incorporates the following fully configurable features:

- Each Input has gain control and 4 bands of Parametric EQ. Bands 1 & 4 can be set for LF & HF shelving response.
- Routing section - The signals present on Inputs A & B can be routed to any of the four Output channels
- Crossovers on each Output channel - Variable high and low pass filters for each output can be set with a choice of classic filters. Independent control over high pass and low pass functions allow asymmetric crossover functions to be used.
- Four band parametric EQ on each Output
- Four independent Delay lines (up to 200ms)
- Four high performance Limiters, featuring a wide range of control over Attack, Release & Threshold parameters.
- Output Gain adjustment

FRONT PANEL OVERVIEW



1 POWER On/Off
The TDX-1 uses a switchmode power-supply that accepts from 100-240V AC.

2 INPUT METERS
For optimal performance the Input level indication should be around -5dB and occasionally peak at 0dB.
If the CLIP indicator is lit the Input signal is too hot.
Input sensitivity can be set in the Level menus accessed via the INPUT A/B keys, or via the Setup menu.

3 DISPLAY
32 character LCD displaying various operating parameters.

4 DIGITAL IN select
Press the DIGITAL IN key and the TDX-1 will try to lock to the Digital Input. If a valid digital clock is present on the Input the unit will automatically use the digital signal as Input source.
Press once more to release and switch to analog Inputs.

5 INPUT A/B
On/Off switches for the two channels. For the signal to pass further down the signal chain the key LEDs must be lit.

In Edit mode these switches give access to the Input Trim parameter for each channel.

6 PAR EQ A/B
On/Off switches for the Parametric EQ on channel A and B.
In Edit mode these keys give access to edit EQ settings.

7 ROUTING matrix
The Output Routing Matrix allows you to freely distribute Input channels A/B to any of the four Output channels.

Use the four switches in column A to send the signal from Input channel A to any of the four Outputs.

Use the four switches in column B to send the signal from Input channel B to any of the four Outputs.

8 X-OVER keys
On/Off switches for the X-Overs.

In Edit mode these keys give access to edit X-Over settings.

9 EQ
On/Off switches for the EQ section on the four Output channels.

In Edit mode these keys give access to edit the EQ parameters.

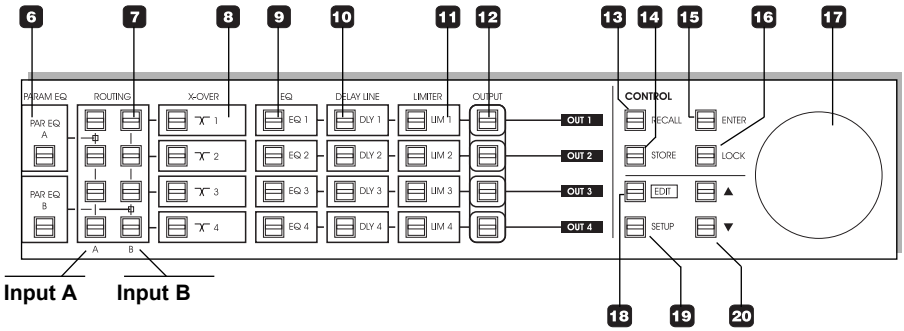
10 DELAY LINE
On/Off keys for the Delay block on the four Output channels.

In Edit mode these keys give access to edit the Delay parameters.

11 LIMITER
On/Off keys for the Limiter block on the four Output channels.

In Edit mode these keys give access to edit the Limiter parameters.

FRONT PANEL OVERVIEW



12 OUTPUT
On/Off keys on the Output for each of the four channels.

In Edit mode these keys give access to edit the Output level parameter.

13 RECALL
In Recall mode you select which preset to recall using the ADJUST encoder and press ENTER to confirm.

14 STORE
Press to STORE. Select a storing location using the ADJUST wheel and press ENTER to confirm.

15 ENTER
The ENTER key is used to confirm various operations such as Store and Recall.

16 LOCK
The LOCK key is used to lock/unlock the TDX-1 front panel keys. Default setting is “locked”.

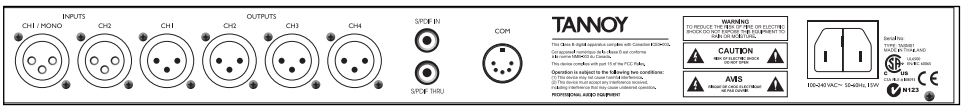
17 ADJUST encoder
The ADJUST Encoder is used to change values on various parameters - especially in the Edit mode.

18 EDIT
Press to enter Edit mode and select which parameter to edit by pressing the parameter keys.

19 SETUP
Press to enter the Setup menu. In the Setup menu you will find parameters such as Lock setup, various Level settings and Display Viewing.

20 CURSOR keys
Use the CURSOR keys to scroll between parameters in the various menus.

REAR PANEL



Balanced Inputs on XLR for channels A/B. Use channel A for mono Input.

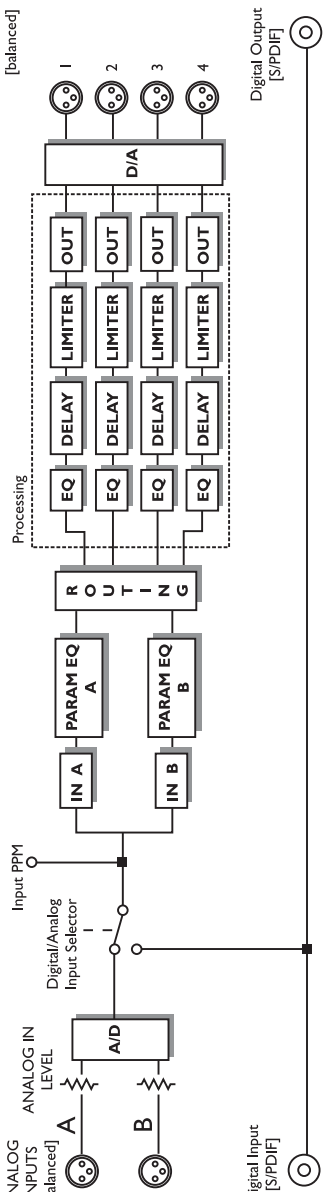
Balanced Outputs 1-4 on XLR.

Digital S/PDIF In and Thru on RCA phono.

Com port for data transfer.
NO user application.

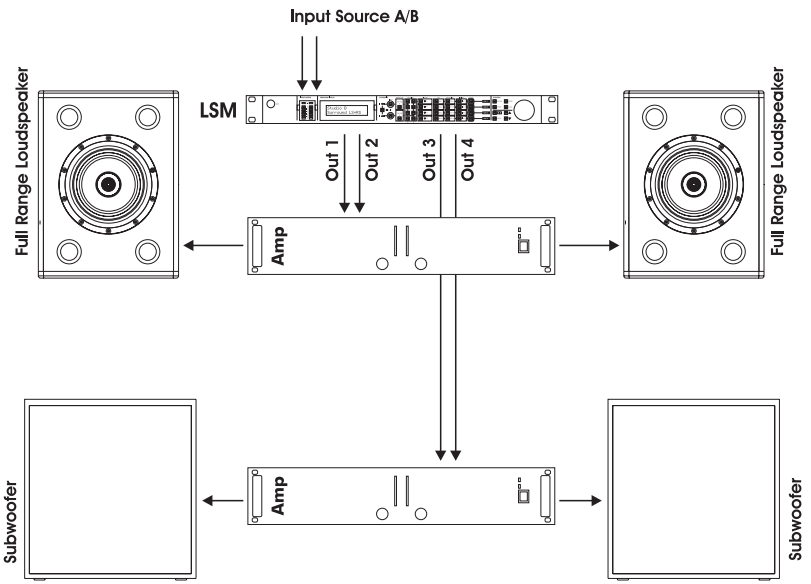
Power Input.
The internal switchmode powersupply accepts from 100 to 240 VAC.

SIGNAL FLOW


ANALOG OUTPUTS [balanced]
1
2
3
4
Digital Output [S/PDIF]
D/A
Processing
OUT
LIMITER
DELAY
EQ
ROUTING
PARAM EQ A
PARAM EQ B
IN A
IN B
Input PPM
Digital/Analog Input Selector
A/D
ANALOG IN LEVEL
A
B
ANALOG INPUTS [balanced]
Digital Input [S/PDIF]

TYPICAL SETUPS

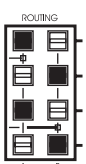
Stereo Setup - with subs



This is a typical stereo setup with a set of subs.

Analog:
- Input signal is fed on Inputs A/B.
- Configure Routing section as illustrated below.
- Output channels 1 and 2 feeds the front loudspeakers.
- Output channels 3 and 4 feeds the subs.

Configuration overview

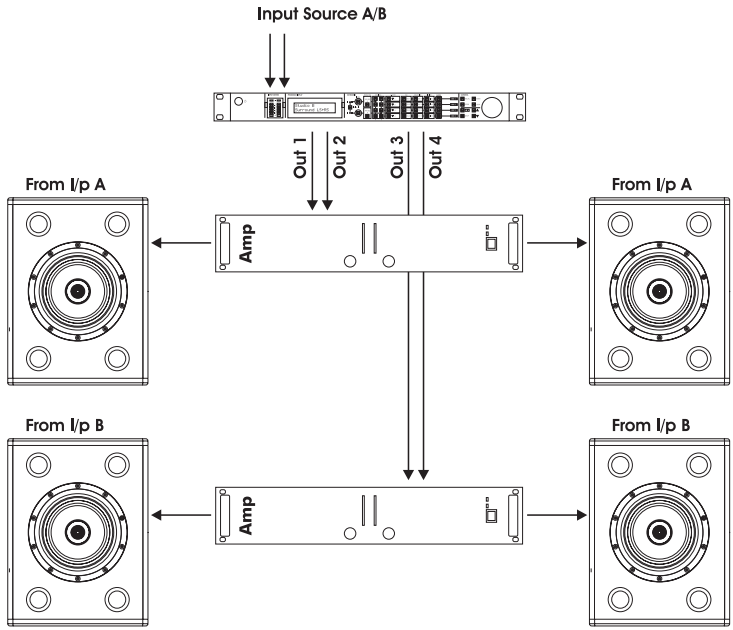


Using the Digital Input
- Digital Input 44.1 or 48kHz must be present in the Digital Input.
- Press and hold the DIGITAL IN button on the front panel until digital lock is achieved.

Note: The signal present on the DIGITAL INPUT is passed unprocessed to the DIGITAL THRU connection on the rear panel for further downstream processing.

TYPICAL SETUPS

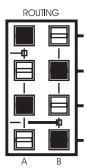
Stereo Setup



This setup is a typical small 2-way system.

Analog
- Input signal is fed to Inputs A and B.
- Configure Routing section as illustrated below.
- Output channels 1 and 2 feeds loudspeaker set A.
- Output channels 3 and 4 feeds loudspeaker set B.

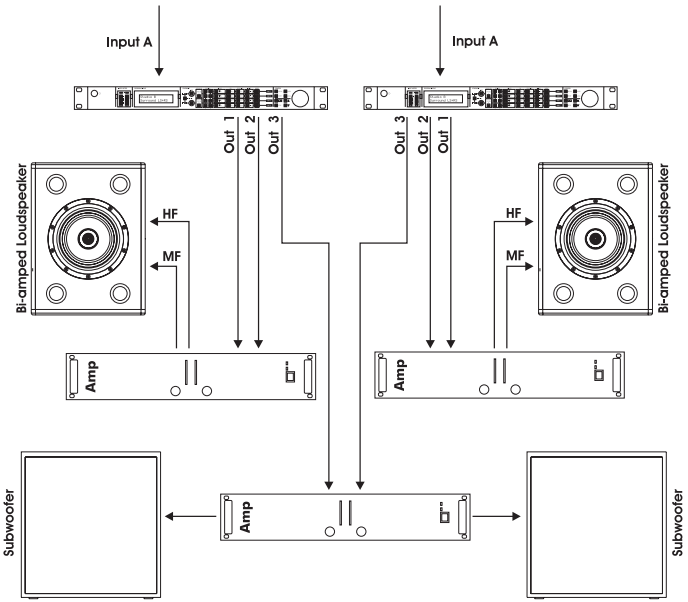
Configuration overview



Using the Digital Input
- Digital Input 44.1 or 48kHz must be present in the Digital Input.
- Press and hold the DIGITAL IN button on the front panel until digital lock is achieved.

Note: The signal present on the DIGITAL INPUT is passed unprocessed to the DIGITAL THRU connection on the rear panel for further downstream processing.

3/4 way setup - Bi-Amp Mid/High

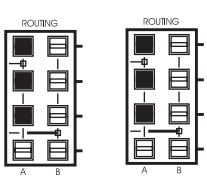


This example shows how 2 TDX-1s can be used in conjunction to distribute Input signals to a 3 or 4 way system per side.

For each side:

- Source signal can be connected to either Inputs A or B as only one Input per side is used. For this example - use Input A on both controllers.
- Configure the Routing section as illustrated below.
- Set Crossovers and additional parameters.

Configuration overview

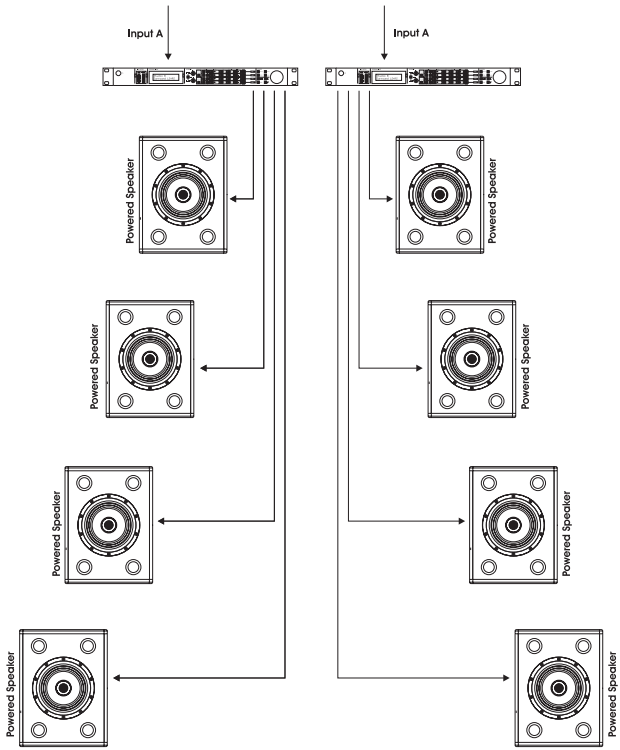


Using the Digital Input

- Digital Input 44.1 or 48kHz must be present in the Digital Input.
- Press and hold the DIGITAL IN button on the front panel until digital lock is achieved.

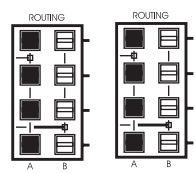
Note: The signal present on the DIGITAL INPUT is passed unprocessed to the DIGITAL THRU connection on the rear panel for further downstream processing.

System Distribution - with delay



This example is similar to the previous example however the idea here is to distribute the signal with delay settings corresponding to the positioning of the speakers.

Configuration overview



For each side:

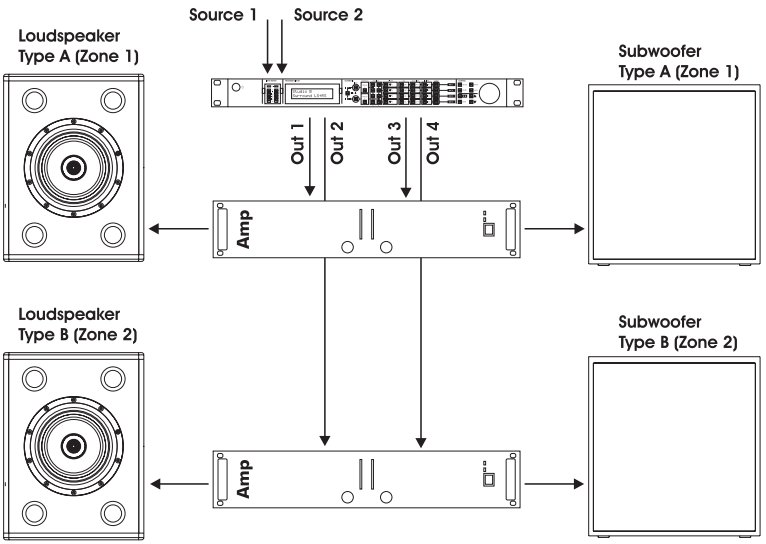
- Source signal can be connected to either Inputs A or B as only one Input per side is used. For this example - use Input A on both controllers.
- Configure Routing section as illustrated in the configuration overview.
- Set a Delay time per channel matching the distance between the speakers.
- Set additional processing parameters.

Using the Digital Input

- Digital Input 44.1 or 48kHz must be present in the Digital Input.
- Press and hold the DIGITAL IN button on the front panel until digital lock is achieved.

Note: The signal present on the DIGITAL INPUT is passed unprocessed to the DIGITAL THRU connection on the rear panel for further downstream processing.

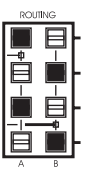
Dual Source Mono - Dual Zone



This setup is used where two different zones or rooms need to be covered. In this case Stereo is not the object.

- Source 1 is connected to Input A and Source 2 to Input B.
- Configure the Routing section as illustrated below.
- Set Crossovers and additional parameters.

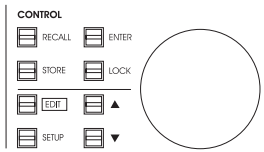
Configuration overview



Using the Digital Input

- Digital Input 44.1 or 48kHz must be present in the Digital Input.
- Press and hold the DIGITAL IN button on the front panel until digital lock is achieved.

Note: The signal present on the DIGITAL INPUT is passed unprocessed to the DIGITAL THRU connection on the rear panel for further downstream processing.



Editing Parameters

Parameters in the Edit mode:

- Press EDIT followed by the key corresponding to the block you wish to edit.
- Use the CURSOR keys to select parameter and the ADJUST encoder to set the desired value.

Notice that the Lock function may be engaged and you will in that case not be able to edit parameters until it is disengaged. Please see the next column to learn about the Lock function.

Recall

To recall a preset

- Press RECALL
- Select preset using the ADJUST encoder
- Press ENTER

NOTE Reduce volume before recalling presets. Recalling a new preset may cause radical changes to both gain and routing settings.

Store

100 locations are available for user presets.

To store a a preset

1 Press STORE
2 If the currently recalled preset is a User preset the same user-location is suggested.
- If the currently recalled preset is a factory preset, the first free user location is suggested.
- If you wish to store the preset at a different location - select the desired user location using the ADJUST encoder.

3 Press ENTER.
4 Now you may;
- either press ENTER again to confirm and end the store operation
- or dial in a preset name of your choice using the CURSOR keys and ADJUST encoder and *then* press ENTER.

5 The display indicates “Preset Stored” for a successful store operation.

The Setup menu

The Setup menu holds various overall setup parameters.

Output Range
Range: 2, 8 (consum), 14, 20(pro) dBu.
The Output range should match the Input sensitivity of your downstream device/amplifier. Please refer to the manual of that device.

Input Sensitivity
Range: 0 to 24dBu
The Input range should match the Output range of your feeding device. Please refer to the manual of that device or adjust according the Input meters.

Delay Unit
The Delay time can be displayed in milliseconds, meters or feet.

Lock Function - introduction
As a speaker management controller is a key component in speaker setups a lock function is provided to prevent unintended change of parameters via the frontpanel.

Setting up the LOCK function is done via the Setup menu.

<u>There are two basic Lock modes</u>

- one mode where the frontpanel is unlocked simply by pressing the LOCK key once.
- another mode where you need to press LOCK and then dial in the “security code” followed by ENTER in order to unlock the function keys. The code is set via the Setup menu.

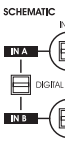
<u>Timing function</u>
A timing function can be set for both Lock modes allowing the front panel keys to be unlocked for either: 10, 30 or 60 seconds.

Auto Lock
Range: Off, 10 seconds, 30 seconds, 60 seconds

Lock Code
Range: 0000-9999
"0000" is "no lock code" and the front panel keys can be locked/unlocked simply using the LOCK key.

The following section takes a look at the processing chain following the front panel layout from left to right. On the front panel this is called the "Schematic Section"

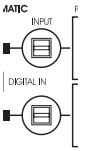
Digital In



The TDX-1 accepts digital Input at 44.1 or 48kHz.
Per default the TDX-1 is set to analog Inputs.

To switch to the digital Inputs.
- Be sure that a valid digital Input signal is present in the DIGITAL IN connection.
- Press the DIGITAL IN key. Analog Inputs are muted and the key LED will flash until lock is achieved.
- To return to Analog Inputs - press once more.

Input Bypass A/B - Input Trim



Signal from the two Inputs A and B will be passed to the Routing section if the LEDs in the two INPUT keys are lit.
- Press to activate/deactivate.

Input Trim
In Edit mode you have access to individual Input trim parameters on channels A and B.

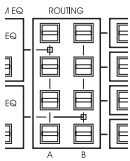
Parametric EQ (Input EQ)

The Controller holds two parametric EQ sections. The first is located on the Input side of the Routing matrix. One for channel A and one for channel B.

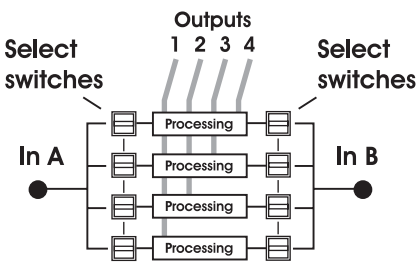
Par EQ A, B	Type:	Gain	Freq:	Width/Slope:
Band 1	Lo Shelve		20 Hz – 20 kHz	6dB/Oct
	Hi Pass		20 Hz – 20 kHz	12dB/Oct
	Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
Band 2	Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
Band 3	Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
Band 4	Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
	Lo Pass		20 Hz – 20 kHz	12dB/Oct
	Hi Shelve		20 Hz – 20 kHz	6dB/Oct

Routing

Routing section -as illustrated on the Front panel



- alternative illustration of the Routing section

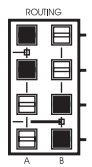


The Routing section is the “railway-station” in the signal chain. The signal present on Inputs A/B can via the 2x4 select switches be routed to none, any or all of the four Output channels.

From the Routing section out the four channels are individually processed with separate X-Over, EQ, Delay, Limiter and Output blocks.

Notice that the front panel layout is identical to the actual signal flow through the unit.

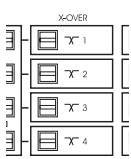
Example:
Input A distributed to Output 1 and 2
Input B distributed to Output 3 and 4



A typical example for a stereo setup with split in both sides.

More examples on pages 10 to 13.

X-Over

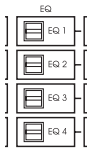


For optimal settings please refer to your speaker specifications.

The TDX-1 may hold presets that perfectly match your speaker configuration.

X-Over A,B:	Type:	Gain	Freq:	Width/Slope:
X-Over	Hi Pass Lo Pass	N/A	20 Hz – 20 kHz	1st order Butterworth 2. Butterworth 3. Butterworth 4. Bessel 2. Bessel 3. Bessel 4. Linkw.Riley 2. Linkw.Riley 4.

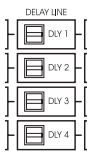
Parametric EQ (Speaker EQ)



EQ 1-4		Type:	Gain	Freq:	Width/Slope:
Band 1		Hi Pass	±18 dB	20 Hz – 20 kHz	2nd order
	or	Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
Band 2		Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
Band 3		Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct
Band 4		Lo Pass	±18 dB	20 Hz – 20 kHz	2nd order
	or	Par EQ	±18 dB	20 Hz – 20 kHz	0,03 – 4 Oct

Delay Line

Delay for each speaker Line. Especially for compensating for speaker placement.
Range: 0 to 200ms



Limiter

A Limiter for each speaker line is available. Correctly set the Limiter will prevent peaks from damaging your speakers.

Threshold
Range: -40 to 0 dB
Sets the Threshold/activation point for the Limiter.

Ratio
Range: Off to Infinity
Sets the amount of attenuation.

Attack
Range: 1 to 100ms
The Attack time is the time it takes for the Limiter to reach the gain-reduction specified by the Ratio parameter.

Release
Range: 100ms to 7 sec.
Sets the time it will take for the Limiter to release the attenuation of the signal.

Output

Range: 6; 12; 18; 22dBu
It is important that the Controller Outputs are correctly matched to the Input range of your amplifier. Please refer to your amplifiers manual for correct settings.

APPENDIX - TECHNICAL SPECIFICATIONS

Analog Inputs

Connectors:	XLR
Impedance, Bal / Unbal:	21 kOhm / 13 kOhm
Max. / Min. Input Level @ 0 dBFS:	+24 dBu / 0 dBu
Sensitivity Range @ 12 dB headroom:	-12 dBu to +12 dBu
A to D Conversion:	24 bit, 128 x oversampling bitstream
A to D Delay:	0.70 ms / 0.65 ms @ 44.1 kHz / 48 kHz
Dynamic Range:	typ < -110 dB, 22 Hz to 22 kHz
THD:	typ < -110 dB @ 1 kHz, -1 dBFS
Frequency Response:	+0/-0.1 dB, 20 Hz to 20 kHz
Crosstalk:	typ < -100 dB, 20 Hz to 20 kHz

Analog Outputs

Connectors:	XLR
Impedance Bal / Unbal:	40 Ohm / 20 Ohm
Max. Output Level:	+14 dBu
D to A Conversion:	24 bit, 128 x oversampling bitstream
D to A Delay:	0.68 ms / 0.63 ms @ 44.1 kHz / 48 kHz
Dynamic Range:	typ < -110 dB typ, 22 Hz to 22 kHz
THD:	typ < -110 dB (0.0014 %) @ 1 kHz, +13 dBu
Frequency Response:	+0/-0.5 dB, 20 Hz to 20 kHz
Crosstalk:	typ < -100 dB, 20 Hz to 20 kHz

EMC Complies with:	EN 55103-1 and EN 55103-2
Safety Certified to:	FCC part 15, Class B, CISPR 22, Class B IEC 65, EN 60065, UL6500 and CSA E60065 CSA FILE #LR108093
Environment Operating Temperature:	32° F to 122° F (0° C to 50° C)
Storage temperature:	-22° F to 167° F (-30° C to 70° C)
Humidity:	Max. 90 % non-condensing

General

Finish:	Anodized aluminum front, plated and painted steel chassis
Display:	2 x 16 character blue LCD
Dimensions:	19" x 1.75" x 8" (483 x 44 x 105.6 mm)
Weight:	3.3 lb. (1.5 kg)
Mains Voltage:	100 to 240 VAC, 50 to 60 Hz (auto-select)
Power Consumption:	<15 W
Warranty Parts and labor:	1 year

Due to continuous development these specifications are subject to change without notice.

PRESET LIST

Operational Mode - Stereo With Stereo Bass & Stereo with mono Bass

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
1	V6 Stereo	V6 Stereo Full Range	V6/Ch A	V6/Ch A	V6/ChB	V6/ChB
2	V6+V15BP St	V6 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V6/Ch A	V6/Ch B	VS15BP/ ChA	VS15BP/ ChB
3	V6+VS15HL St	V6 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V6/Ch A	V6/Ch B	VS15HL/ ChA	VS15HL/ ChB
4	V6+VS18DR St	V6 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V6/Ch A	V6/Ch B	VS18DR/ ChA	VS18DR/ ChB
5	V6+VS10BP St	V6 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V6/Ch A	V6/Ch B	VS10BP/ ChA	VS10BP/ ChB
6	V8 Stereo	V8 Stereo Full Range	V8/Ch A	V8/Ch A	V8/ChB	V8/ChB
7	V8+V15BP St	V8 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V8/Ch A	V8/Ch B	VS15BP/ ChA	VS15BP/ ChB
8	V8+VS15HL St	V8 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V8/Ch A	V8/Ch B	VS15HL/ ChA	VS15HL/ ChB
9	V8+VS18DR St	V8 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V8/Ch A	V8/Ch B	VS18DR/ ChA	VS18DR/ ChB
10	V8+VS10BP St	V8 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V8/Ch A	V8/Ch B	VS10BP/ ChA	VS10BP/ ChB
11	V12 Stereo	V12 Stereo Full range	V12/Ch A	V12/Ch A	V12/ChB	V12/ChB
12	V12+V15BP St	V12 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12/Ch A	V12/Ch B	VS15BP/ ChA	VS15BP/ ChB
13	V12+VS15HL St	V12 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12/Ch A	V12/Ch B	VS15HL/ ChA	VS15HL/ ChB
14	V12+VS18DR St	V12 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12/Ch A	V12/Ch B	VS18DR/ ChA	VS18DR/ ChB
15	V12+VS10BP St	V12 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12/Ch A	V12/Ch B	VS10BP/ ChA	VS10BP/ ChB

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
16	V12HP Stereo	V12HP Stereo Full range	V12HP/Ch A	V12HP/Ch A	V12HP/ChB	V12HP/ChB
17	V12HP+V15BP St	V12HP Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12HP/Ch A	V12HP/Ch B	VS15BP/ ChA	VS15BP/ ChB
18	V12HP+VS15HL St	V12HP Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12HP/Ch A	V12HP/Ch B	VS15HL/ ChA	VS15HL/ ChB
19	V12HP+VS18DR St	V12HP Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12HP/Ch A	V12HP/Ch B	VS18DR/ChA	VS18DR/ChB
20	V12HP+VS10BP St	V12HP Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V12HP/Ch A	V12HP/Ch B	VS10BP/ ChA	VS10BP/ ChB
21	V300 Stereo	V300 Stereo Full Range	V300/Ch A	V300/Ch A	V300/ChB	V300/ChB
22	V300+V15BP St	V300 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V300/Ch A	V300/Ch B	VS15BP/ ChA	VS15BP/ ChB
23	V300+VS15HL St	V300 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V300/Ch A	V300/Ch B	VS15HL/ChA	VS15HL/ChB
24	V300+VS18DR St	V300 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V300/Ch A	V300/Ch B	VS18DR/ChA	VS18DR/ChB
25	V300+VS10BP St	V300 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V300/Ch A	V300/Ch B	VS10BP/ ChA	VS10BP/ ChB
26	V15 Stereo	V15 Stereo Full Range	V15/Ch A	V15/Ch A	V15/ChB	V15/ChB
27	V15+V15BP St	V15 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V15/Ch A	V15/Ch B	VS15BP/ ChA	VS15BP/ ChB
28	V15+VS15HL St	V15 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V15/ Ch A	V15/ Ch B	VS15HL/ChA	VS15HL/ChB
29	V15+VS18DR St	V15 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V15/Ch A	V15/Ch B	VS18DR/ChA	VS18DR/ChB

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
30	V15+VS10BP St	V15 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	V15/Ch A	V15/Ch B	VS10BP/ ChA	VS10BP/ ChB
31	V12HPBiampSt	V12HP Biamp Stereo. Refer to V12HP user manual to configure the speaker to Bi-amp mode	Low/ChA	Low/Ch B	High/ChA	High ChB
32	V300BiampSt	V300 Biamp Stereo. Refer to V300 user manual to configure the speaker to Bi-amp mode	Low/ChA	Low/Ch B	High/ChA	High ChB
33	V15BiampSt	V15 Biamp Stereo. Refer to V15 user manual to configure the speaker to Bi-amp mode	Low/ChA	Low/Ch B	High/ChA	High ChB
34	V6+V8St	V6 and V8 Stereo Full range	V6/ChA	V6/ChB	V8/ChA	V6/ChB
35	V12+V6St	V12 and V6 Stereo Full range	V12/ChA	V12/ChB	V6/ChA	V6/ChB
36	V12+V8St	V12 and V8 Stereo Full range	V12/ChA	V12/ChB	V8/ChA	V8/ChB
37	V12HP+V6St	V12HP and V6 Stereo Full range	V12HP/ ChA	V12HP/ ChB	V6/ChA	V6/ChB
38	V12HP+V8St	V12HP and V8 Stereo Full range	V12HP/ ChA	V12HP/ ChB	V8/ChA	V8/ChB
39	V300+V6St	V300 and V6 Stereo Full range	V300/ChA	V300/Ch B	V6/ChA	V6/ChB
40	V300+V8St	V300 and V8 Stereo Full range	V300/ChA	V300/ ChB	V8/ChA	V8/ChB
41	V15+V6St	V15 and V6 Stereo Full range	V15/ChA	V15/ChB	V6/ChA	V6/ChB
42	V15+V8St	V15 and V8 Stereo Full range	V15/ChA	V15/ChB	V8/ChA	V8/ChB
43	i7 Stereo	i7 Stereo Full Range	i7/ChA	I7/ChA	i7/ChB	i7/ChB
44	i7+V15BP St	I7 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i7/Ch A	i7/Ch B	VS15BP/ ChA	VS15BP/ ChB

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
45	i7+VS15HL St	i7 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i7/Ch A	i7/Ch B	VS15HL/ ChA	VS15HL/ ChB
46	i7+VS18DR St	i7 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i7/Ch A	i7/Ch B	VS18DR/ ChA	VS18DR/ ChB
47	i7+VS10BP St	i7 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i7/Ch A	i7/Ch B	VS10BP/ ChA	VS10BP/ ChB
48	i9 Stereo	i9 Stereo Full Range	i9/ChA	i9/ChA	i9/ChB	i9/ChB
49	i9+V15BP St	i9 Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i9/Ch A	i9/Ch B	VS15BP/ ChA	VS15BP/ ChB
50	i9+VS15HL St	i9 Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i9/Ch A	i9/Ch B	VS15HL/ ChA	VS15HL/ ChB
51	i9+VS18DR St	i9 Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i9/Ch A	i9/Ch B	VS18DR/ ChA	VS18DR/ ChB
52	i9+VS10BP St	i9 Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i9/Ch A	i9/Ch B	VS10BP/ ChA	VS10BP/ ChB
53	i6AW/MP St	i6AW/T/MP Stereo Full Range	i6/ChA	i6/ChA	i6/ChB	i6/ChB
54	i6+V15BP St	i6AW/T/MP Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i6/Ch A	i6/Ch B	VS15BP/ ChA	VS15BP/ ChB
55	i6+VS15HL St	i6AW/T/MP Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i6/Ch A	i6/Ch B	VS15HL/ ChA	VS15HL/ ChB
56	i6+VS18DR St	i6AW/T/MP Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i6/Ch A	i6/Ch B	VS18DR/ ChA	VS18DR/ ChB
57	i6+VS10BP St	i6AW/T/MP Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i6/Ch A	i6/Ch B	VS10BP/ ChA	VS10BP/ ChB

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
58	i8AW/MP St	i8AW/T/MP Stereo Full Range	i8/ChA	i8/ChA	i8/ChB	i8/ChB
59	i8+V15BP St	i8AW/T/MP Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i8/Ch A	i8/ChB	VS15BP/ ChA	VS15BP/ ChB
60	i8+VS15HL St	i8AW/T/MP Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i8/Ch A	i8/ChB	VS15HL/ ChA	VS15HL/ ChB
61	i8+VS18DR St	i8AW/T/MP Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i8/Ch A	i8/ChB	VS18DR/ ChA	VS18DR/ ChB
62	i8+VS10BP St	i8AW/T/MP Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i8/Ch A	i8/ChB	VS10BP/ ChA	VS10BP/ ChB
63	i5AW/MP St	i5AW/T/MP Stereo Full Range	i5/ChA	i5/ChA	i5/ChB	i5/ChB
64	i5+V15BP St	i5AW/T/MP Stereo with VS15BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i5/Ch A	i5/ChB	VS15BP/ ChA	VS15BP/ ChB
65	i5+VS15HL St	i5AW/T/MP Stereo with VS15HL (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i5/Ch A	i5/ChB	VS15HL/ ChA	VS15HL/ ChB
66	i5+VS18DR St	i5AW/T/MP Stereo with VS18DR (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i5/Ch A	i5/ChB	VS18DR/ ChA	VS18DR/ ChB
67	i5+VS10BP St	i5AW/T/MP Stereo with VS10BP (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	i5/Ch A	i5/ChB	VS10BP/ ChA	VS10BP/ ChB
68	iW6DS Stereo	iW6DS Stereo Full Range	iW6DS/ ChA	iW6DS/C hA	iW6DS/C hB	iW6DS/C hB
69	iW6DS+IW62TS	iW6DS Stereo with iW62TS (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	iW6DS/ ChA	iW6DS/ ChB	iW62TS/ ChA	iW62TS/ ChB
70	iW6TDC Stereo	iW6TDC Stereo Full Range	iW6TDC/ ChA	iW6TDC/ ChA	iW6TDC/ ChB	iW6TDC/ ChB

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
71	iW6TDC+ IW62TS	iW6TDC Stereo with iW62TS (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	iW6TDC/ ChA	iW6TDC/C hA	iW62TS/ ChA	iW62TS/ ChB
72	CMS50 Stereo	CMS50 Stereo Full Range	CMS50/ CHA	CMS50/ CHA	CMS50/ CHB	CMS50/ CHB
73	CMS50+ CMS110B	CMS50 Stereo with CMS110B (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	CMS50/ CHA	CMS50/ CHB	CMS110 B/CHA	CMS110 B/CHB
74	CMS60ICT Stereo	CMS60ICT Stereo Full Range	CMS60 ICT/CHA	CMS60 ICT/CHA	CMS60 ICT/CHB	CMS60 ICT/CHB
75	CMS60ICT+CM S110B	CMS60 ICT Stereo with CMS110B (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	CMS60 ICT/CHA	CMS60 ICT/CHB	CMS110 B/CHA	CMS110 B/CHB
76	CMS60TDC Stereo	CMS60TDC Stereo Full Range	CMS60 TDC/CHA	CMS60 TDC/CHA	CMS60 TDC/CHB	CMS60 TDC/CHB
77	CMS60TDC+C MS110B	CMS60 TDC Stereo with CMS110B (sub) Stereo. Route Channels A & B to Outputs 3 & 4 for Mono Sub	CMS60 TDC/CHA	CMS60 TDC/CHB	CMS110 B/CHA	CMS110 B/CHB
78	ARENA S+SUB	ARENA S Stereo with ARENA TS Sub Stereo. Route Channels A & B to outputs 3 & 4 for Mono Sub.	ARENA S/CHA	ARENA S/CHB	ARENA TS/CHA	ARENA TS/CHB
79	ARENA S+VS10BP	ARENA S Stereo with VS10BP Sub Stereo. Route Channels A & B to outputs 3 & 4 for Mono Sub.	ARENA S/CHA	ARENA S/CHB	VS10 BP/CHA	VS10BP/ CHB
80	ARENA C Stereo	ARENA C Stereo Full Range	ARENA C/CHA	ARENA C/CHA	ARENA C/CHB	ARENA C/CHB
81	ARENA C+SUB	ARENA C Stereo with ARENA TS Sub Stereo. Route Channels A & B to outputs 3 & 4 for Mono Sub.	ARENA C/CHA	ARENA C/CHB	ARENA S/CHA	ARENA TS/CHB
82	ARENA C+VS10BP	ARENA C Stereo with VS10BP Sub Stereo. Route Channels A & B to outputs 3 & 4 for Mono Sub.	ARENA C/CHA	ARENA C/CHB	VS10 BP/CHA	VS10BP/ CHB

PRESET LIST

The Following Mono Presets assume that a single input is used (input A) which is routed to all outputs.

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
83	V6 Mono	V6 Mono Full Range	V6/Ch A	V6/Ch A	V6/Ch A	V6/Ch A
84	V6+V15BP M	V6 Mono with VS15BP (sub) Mono.	V6/Ch A	V6/Ch A	VS15BP/ ChA	VS15BP/ ChA
85	V6+VS15HL M	V6 Mono with VS15HL (sub) Mono	V6/Ch A	V6/Ch B	VS15HL/ ChA	VS15HL/ ChA
86	V6+VS18DR M	V6 Mono with VS18DR (sub) Mono	V6/Ch A	V6/Ch A	VS18DR/ ChA	VS18DR/ ChA
87	V6+VS10BP M	V6 Mono with VS10BP (sub) Mono	V6/Ch A	V6/Ch A	VS10BP/ ChA	VS10BP/ ChA
88	V8 Mono	V8 Mono Full Range	V8/Ch A	V8/Ch A	V8/Ch A	V8/Ch A
89	V8+V15BP M	V8 Mono with VS15BP (sub) Mono	V8/Ch A	V8/Ch A	VS15BP/ ChA	VS15BP/ ChA
90	V8+VS15HL M	V8 Mono with VS15HL (sub) Mono	V8/Ch A	V8/Ch A	VS15HL/ ChA	VS15HL/ ChA
91	V8+VS18DR M	V8 Mono with VS18DR (sub) Mono	V8/Ch A	V8/Ch A	VS18DR/ ChA	VS18DR/ ChA
92	V8+VS10BP M	V8 Mono with VS10BP (sub) Mono	V8/Ch A	V8/Ch A	VS10BP/ ChA	VS10BP/ ChA
93	V12 Mono	V12 Mono Full range	V12/Ch A	V12/Ch A	V12/Ch A	V12/Ch A
94	V12+V15BP M	V12 Mono with VS15BP (sub) Mono	V12/Ch A	V12/Ch A	VS15BP/ ChA	VS15BP/ ChA
95	V12+VS15HL M	V12 Mono with VS15HL (sub) Mono	V12/Ch A	V12/Ch A	VS15HL/ ChA	VS15HL/ ChA
96	V12+VS18DR M	V12 Mono with VS18DR (sub) Mono	V12/Ch A	V12/Ch A	VS18DR/ ChA	VS18DR/ ChA
97	V12+VS10BP M	V12 Mono with VS10BP (sub) Mono	V12/Ch A	V12/Ch A	VS10BP/ ChA	VS10BP/ ChA
98	V12HP Mono	V12HP Mono Full range	V12HP/ Ch A	V12HP/ Ch A	V12HP/ Ch A	V12HP/ Ch A
99	V12HP+V15BP M	V12HP Mono with VS15BP (sub) Mono	V12HP/ Ch A	V12HP/ Ch A	VS15BP/ ChA	VS15BP/ ChA
100	V12HP+VS15HL M	V12HP Mono with VS15HL (sub) Mono	V12HP/ Ch A	V12HP/ Ch A	VS15HL/ ChA	VS15HL/ ChA
101	V12HP+VS18DR M	V12HP Mono with VS18DR (sub) Mono	V12HP/ Ch A	V12HP/ Ch A	VS18DR/ ChA	VS18DR/ ChA

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
102	V12HP+ VS10BP M	V12HP Mono with VS10BP (sub) Mono	V12HP/ Ch A	V12HP/ Ch A	VS10BP/C hA	S10BP/ ChA
103	V300 Mono	V300 Mono Full Range	V300/Ch A	V300/Ch A	V300/Ch A	V300/Ch A
104	V300+V15BP M	V300 Mono with VS15BP (sub) Mono	V300/Ch A	V300/Ch A	VS15BP/ ChA	VS15BP/ ChA
105	V300+VS15HL M	V300 Mono with VS15HL (sub) Mono	V300/Ch A	V300/Ch A	VS15HL/ ChA	VS15HL/ ChA
106	V300+VS18DR M	V300 Mono with VS18DR (sub) Mono	V300/Ch A	V300/Ch A	VS18DR/ ChA	VS18DR/ ChA
107	V300+VS10BP M	V300 Mono with VS10BP (sub) Mono	V300/Ch A	V300/Ch A	VS10BP/ ChA	VS10BP/ ChA
108	V15 Mono	V15 Mono Full Range	V15/Ch A	V15/Ch A	V15/Ch A	V15/Ch A
109	V15+V15BP M	V15 Mono with VS15BP (sub) Mono	V15/Ch A	V15/Ch A	VS15BP/ ChA	VS15BP/ ChA
110	V15+VS15HL M	V15 Mono with VS15HL (sub) Mono	V15/Ch A	V15/Ch A	VS15HL/ ChA	VS15HL/ ChA
111	V15+VS18DR M	V15 Mono with VS18DR (sub) Mono	V15/Ch A	V15/Ch A	VS18DR/ ChA	VS18DR/ ChA
112	V15+VS10BP M	V15 Mono with VS10BP (sub) Mono	V15/Ch A	V15/Ch A	VS10BP/ ChA	VS10BP/ ChA
113	V12HPBiampM	V12HP Biamp Mono. Refer to V12HP user manual to configure the speaker to Bi-amp mode	Low/ChA	Low/ChA	High/ChA	High/ChA
114	V300BiampM	V300 Biamp Mono. Refer to V300 user manual to configure the speaker to Bi-amp mode	Low/ChA	Low/ChA	High/ChA	High/ChA
115	V15BiampM	V15 Biamp Mono. Refer to V15 user manual to configure the speaker to Bi-amp mode	Low/ChA	Low/ChA	High/ChA	High/ChA
116	V6+V8M	V6 and V8 Mono Full range	V6/ChA	V6/ChA	V8/ChA	V8/ChA
117	V12+V6M	V12 and V6 Mono Full range	V12/ChA	V12/ChA	V6/ChA	V6/ChA
118	V12+V8M	V12 and V8 Mono Full range	V12/ChA	V12/ChA	V8/ChA	V8/ChA
119	V12HP+V6M	V12HP and V6 Mono Full range	V12HP/ ChA	V12HP/ ChA	V6/ChA	V6/ChA

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
120	V12HP+V8M	V12HP and V8 Mono Full range	V12HP/ChA	V12HP/ ChA	V8/ChA	V8/ChA
121	V300+V6M	V300 and V6 Mono Full range	V300/ChA	V300/ChA	V6/ChA	V6/ChA
122	V300+V8M	V300 and V8 Mono Full range	V300/ChA	V300/ChA	V8/ChA	V8/ChA
123	V15+V6M	V15 and V6 Mono Full range	V15/ChA	V15/ChA	V6/ChA	V6/ChA
124	V15+V8M	V15 and V8 Mono Full range	V15/ChA	V15/ChA	V8/ChA	V8/ChA
125	i7 Mono	i7 Mono Full Range	i7/ChA	i7/ChA	i7/ChA	i7/ChA
126	i7+V15BP M	I7 Mono with VS15BP (sub) Mono	i7/Ch A	i7/Ch A	VS15BP/ ChA	VS15BP/ ChA
127	i7+VS15HL M	i7 Mono with VS15HL (sub) Mono	i7/Ch A	i7/Ch A	VS15HL/ ChA	VS15HL/ ChA
128	i7+VS18DR M	i7 Mono with VS18DR (sub) Mono	i7/Ch A	i7/Ch A	VS18DR/ ChA	VS18DR/ ChA
129	i7+VS10BP M	i7 Mono with VS10BP (sub) Mono	i7/Ch A	i7/Ch A	VS10BP/ ChA	VS10BP/ ChA
130	i9 Mono	i9 Mono Full Range	i9/ChA	i9/ChA	i9/ChA	i9/ChA
131	i9+V15BP M	i9 Mono with VS15BP (sub) Mono	i9/Ch A	i9/Ch A	VS15BP/C hA	VS15BP/ ChA
132	i9+VS15HL M	i9 Mono with VS15HL (sub) Mono	i9/Ch A	i9/Ch A	VS15HL/C hA	VS15HL/ ChA
133	i9+VS18DR M	i9 Mono with VS18DR (sub) Mono	i9/Ch A	i9/Ch A	VS18DR/ ChA	VS18DR/ ChA
134	i9+VS10BP M	i9 Mono with VS10BP (sub) Mono	i9/Ch A	i9/Ch A	VS10BP/C hA	VS10BP/ ChA
135	i6AW/MP M	i6AW/T/MP Mono Full Range	i6/ChA	i6/ChA	i6/ChA	i6/ChA

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
136	i6+V15BP M	i6AW/T/MP Mono with VS15BP (sub) Mono	i6/Ch A	i6/Ch A	VS15BP/ ChA	VS15BP/ ChA
137	i6+VS15HL M	i6AW/T/MP Mono with VS15HL (sub) Mono	i6/Ch A	i6/Ch A	VS15HL/ ChA	VS15HL/ ChA
138	i6+VS18DR M	i6AW/T/MP Mono with VS18DR (sub) Mono	i6/Ch A	i6/Ch A	VS18DR/ ChA	VS18DR/ ChA
139	i6+VS10BP M	i6AW/T/MP Mono with VS10BP (sub) Mono	i6/Ch A	i6/Ch A	VS10BP/ ChA	VS10BP/ ChA
140	i8AW/MP M	i8AW/T/MP Mono Full Range	i8/ChA	i8/ChA	i8/ChA	i8/ChA
141	i8+V15BP M	i8AW/T/MP Mono with VS15BP (sub) Mono	i8/Ch A	i8/Ch A	VS15BP/ ChA	VS15BP/ ChA
142	i8+VS15HL M	i8AW/T/MP Mono with VS15HL (sub) Mono	i8/Ch A	i8/Ch A	VS15HL/ ChA	VS15HL/ ChA
143	i8+VS18DR M	i8AW/T/MP Mono with VS18DR (sub) Mono	i8/Ch A	i8/Ch A	VS18DR/ ChA	VS18DR/ ChA
144	i8+VS10BP M	i8AW/T/MP Mono with VS10BP (sub) Mono	i8/Ch A	i8/Ch A	VS10BP/ ChA	VS10BP/ ChA
145	i5AW/MP M	i5AW/T/MP Mono Full Range	i5/ChA	i5/ChA	i5/ChA	i5/ChA
146	i5+V15BP M	i5AW/T/MP Mono with VS15BP (sub) Mono	i5/Ch A	i5/Ch A	VS15BP/ ChA	VS15BP/ ChA
147	i5+VS15HL M	i5AW/T/MP Mono with VS15HL (sub) Mono	i5/Ch A	i5/Ch A	VS15HL/ ChA	VS15HL/ ChA
148	i5+VS18DR M	i5AW/T/MP Mono with VS18DR (sub) Mono	i5/Ch A	i5/Ch A	VS18DR/ ChA	VS18DR/ ChA
149	i5+VS10BP M	i5AW/T/MP Mono with VS10BP (sub) Mono	i5/Ch A	i5/Ch A	VS10BP/ ChA	VS10BP/ ChA
150	iW6DS Mono	iW6DS Mono Full Range	iW6DS/ ChA	iW6DS/ ChA	iW6DS/ ChA	iW6DS/ ChA

PRESET LIST

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
151	iW6DS+IW62TS	iW6DS Mono with iW62TS (sub) Mono	iW6DS/ ChA	iW6DS/ ChA	iW62TS/ ChA	iW62TS/ ChA
152	iW6TDC M	iW6TDC Mono Full Range	iW6TDC/ ChA	iW6TDC/ ChA	iW6TDC/ ChB	iW6TDC/ ChB
153	iW6TDC+IW62TS	iW6TDC Mono with iW62TS (sub) Mono	iW6TDC/ ChA	iW6TDC/ ChA	iW62TS/ ChA	iW62TS/ ChA
154	CMS50 Mono	CMS50 Mono Full Range	CMS50/ CHA	CMS50/ CHA	CMS50/ CHA	CMS50/ CHA
155	CMS50 +CMS110B	CMS50 Mono with CMS110B (sub) Mono	CMS50/ CHA	CMS50/ CHA	CMS110 B/CHA	CMS110 B/CHA
156	CMS60ICT Mono	CMS60ICT Mono Full Range	CMS60 ICT/CHA	CMS60 ICT/CHA	CMS60 ICT/CHA	CMS60 ICT/CHA
157	CMS60ICT +CMS110B	CMS60 ICT Mono with CMS110B (sub) Mono	CMS60 ICT/CHA	CMS60 ICT/CHA	CMS110 B/CHA	CMS110 B/CHA
158	CMS60TDC Mono	CMS60TDC Mono Full Range	CMS60 TDC/CHA	CMS60 TDC/CHA	CMS60 TDC/CHA	CMS60 TDC/CHA
159	CMS60TDC+CMS 110B	CMS60 TDC Mono with CMS110B (sub) Mono	CMS60 TDC/CHA	CMS60 TDC/CHA	CMS110 B/CHA	CMS110 B/CHA
160	ARENA S+SUB	ARENA S Mono with ARENA TS Sub Mono	ARENA S/CHA	ARENA S/CHA	ARENA TS/CHA	ARENA TS/CHA
161	ARENA S+VS10BP	ARENA S Mono with VS10BP Sub Mono	ARENA S/CHA	ARENA S/CHA	VS10 BP/CHA	VS10 BP/CHA
162	ARENA C Mono	ARENA C Mono Full Range	ARENA C/CHA	ARENA C/CHA	ARENA C/CHA	ARENA C/CHA
163	ARENA C+SUB	ARENA C Mono with ARENA TS Sub Mono	ARENA C/CHA	ARENA C/CHA	ARENA S/CHA	ARENA S/CHA
164	ARENA C+VS10BP	ARENA C Mono with VS10BP Sub Mono	ARENA C/CHA	ARENA C/CHA	VS10 BP/CHA	VS10 BP/CHA

PRESET LIST

The Following Mono Presets assume that a single input is used (input A) which is routed to all Outputs.

No	Preset Name	Preset Description	OP 1	OP 2	OP 3	OP 4
166	IQ10P +iQ18B St	iQ10P Passive Mid/High Biamped with iQ18B subwoofer. Stereo operation	iQ10P/ CHA	iQ10P/ CHB	iQ18B/ CHA	iQ18B/ CHB
167	IQ10P +iQ18B M	iQ10P Passive Mid/High Biamped with iQ18B subwoofer. Mono operation	iQ10P/ CHA	iQ10P/ CHA	iQ18B/ CHA	iQ18B/ CHA
168	IQ10 + iQ18B M	iQ10 Mid/High with iQ18B subwoofer. 3 Way Mono Operation. 2 x TDX 1 required for stereo operation	IQ10 High/CHA	IQ10 Mid/CHA	iQ18B/ CHA	Not Used
169	iQ10/15 St	IQ10/15 Passive Mid/High Biamped with LF section. Stereo Operation	iQ10/15 Mid/High/ CHA	iQ10/15 Mid/High /CHB	iQ10/15 LF/CHA	iQ10/15 LF/CHB
170	iQ10/15 3way	iQ10/15. 3 Way Mono Operation. 2 x TDX-1 required for stereo operation	iQ10/15 High/CHA	iQ10/15 Mid/CHA	iQ10/15 LF/CHA	Not Used

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